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Recombinant Human IFN-alpha

Description: Proteins of this family play an important role in inducing non-specific resistance against a broad range of viral infections. They also affect cell proliferation and modulate immune responses. Produced by peripheral blood leukocytes and lymphoblastoid cells, IFN-alpha is an acid stable molecule that signals through IFNalpha/betaR, which is also used by IFN-beta. Both IFNs have similar anti-viral activity and regulate expression of MHC class I antigens. IFN-alpha contains four highly conserved cysteine residues which form two disulfide bonds, one of which is necessary for biological activity. Recombinant human IFN-alpha is a 19.2 kDa protein containing 165 amino acid residues.

Source:	E. coli
Molecular Weight:	19.2 kDa
Purity:	98 % (SDS-PAGE, HPLC)
Endotoxin level:	< 0.1 ng per µg of IFN-alpha
Stabilizer:	none
Formulation:	lyophilized

Biological Activity: The specific activity as determined in a viral resistance assay was found to be $> 1.8 \times 10^8$ units/mg.

Stability: The lyophilized protein is stable for at least 2 years from date of receipt at -20°C . Reconstituted IFN-alpha is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C .

Avoid repeated freeze-thaw cycles.

Usage: Human IFN-alpha is offered for research use. Not for drug use. **Not for human use.**

Catalogue number: 100-036

Size: 100 µg

****Please note: always centrifuge product before opening vial!****